

San Joaquin Valley Unified Air Pollution Control District

PERMIT UNIT: S-2049-2-1

EXPIRATION DATE: 4/30/2000

EQUIPMENT DESCRIPTION:

EMERGENCY 182 BHP (AT 1760 RPM) DIESEL-FIRED INTERNAL COMBUSTION ENGINE DRIVING A FIRE WATER PUMP.

Permit Unit Requirements

1. Sulfur compound emissions shall not exceed 0.2% by volume, 200ppmv, on a dry basis averaged over 15 consecutive minutes. [Kern County Rule 407] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.4gr/dscf. [District Rule 4201; Kern County Rule 404] Federally Enforceable Through Title V Permit
3. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.05% by weight. [Kern County Rule 407; District NSR Rule] Federally Enforceable Through Title V Permit
4. If the IC engine is fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
5. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined by ASTM method D 2880-71. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
6. Facilities for source testing, test methods, and procedures shall be as specified in District Rule 1081 (last amended December 16, 1993). [District Rule 1081] Federally Enforceable Through Title V Permit
7. The IC engine shall be equipped with a turbocharger and with an aftercooler or intercooler. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The IC engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Nitrogen oxide (NOx as NO2) emissions shall not exceed 7.1 grams/hp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
10. A daily log of operating hours and fuel usage shall be maintained on the premises, retained for at least five years, and made available to the District upon request. [District NSR Rule; District Rule 2520, 9.5.2; 40 CFR 70.2] Federally Enforceable Through Title V Permit
11. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
12. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

13. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District NSR Rule] Federally Enforceable Through Title V Permit

14. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. [District NSR Rule] Federally Enforceable Through Title V Permit

15. If the engine exhibits visible emissions greater than 5% opacity for more than 5 minutes, compliance testing for particulate matter emissions shall be conducted by District-witnessed sample collection and an independent testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit

16. Compliance testing for particulate matter shall be conducted within 60 days of District determination of non-compliance with the opacity standard. The results of each source test shall be submitted to the District within 60 days. [District Rule 1081] Federally Enforceable Through Title V Permit

17. Permittee shall maintain accurate records of diesel fuel sulfur content and shall make such records readily available for District inspection upon request for a period of five years. [District NSR Rule; District Rule 2520, 9.5.2; 40 CFR 70.2] Federally Enforceable Through Title V Permit

18. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: Kern County Rule 407, District Rule 4201 (Amended December 17, 1992). A permit shield is granted from this requirement. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit